

CLAIM AMENDMENTS

-- 1. (Currently Amended)

An ink-jet recording sheet comprising:

a non-water-absorptive support; and

an ink absorbing layer thereon, the ink absorbing layer including

A
a first porous layer at the outermost position of the ink-jet recording sheet, including water-insoluble organic particles having an average particle diameter of 0.001 to 2 μ m, the first porous layer having a thickness not more than 20% of the thickness of the ink absorbing layer, and

a second porous layer positioned between the support and the first porous layer, the second porous layer including inorganic particles having an average particle diameter of 0.02 to 0.1 μ m,

*2nd ink
1st organ
Support
larger
smaller*

wherein the ink-jet recording sheet satisfies the following Formula (1), when an aqueous solution, which comprises a water-soluble alcohol-type organic solvent having an SP value in ~~an~~ a range of from 18.414 to 30.69 (MPa)^{1/2} and a boiling point of not less than 120°C in an amount of from 10 to 40% by weight, is provided to the surface of the ink-jet recording sheet in an amount of 20 ml/m²,

Formula (1)


$$V_c/V_d \leq 0.4$$

wherein VC represents a water transition amount of a first area of the ink-jet recording sheet, where the aqueous solution is provided, during a contact time of 0.8 seconds when the first area is subjected to Bristow's Measurement, and Vd represents a water transition amount of a second area of the ink-jet recording sheet, where the aqueous solution is not provided, during a contact time of 0.8 seconds when the second area is subjected to Bristow's Measurement. --

-- 2. (Original)

The ink-jet recording sheet of Claim 1, wherein the ink-jet recording sheet further satisfies the following Formula (2),

Formula (2) $V_{60}/V_d \geq 0.7$

 Vd represents a water transition amount of the ink-jet recording sheet during a contact time of 0.8 seconds when the ink-jet recording sheet is subjected to Bristow's Measurement after being stored at 60°C and 20 RH for 24 hours. --

-- 3. (Currently Amended)

The ink-jet recording sheet of Claim 1, wherein the ~~first porous layer comprises~~ a water-insoluble organic fine particles, ~~which is~~ are capable of being dissolved in or swelled by a water-soluble alcohol-type organic solvent having an SP value in a range of from 18.414 to 30.69 (MPa)^{1/2} and a boiling point of 120°C or more, ~~as a primary component, and the ink-jet recording sheet further comprises a~~ the second porous layer ~~comprising inorganic fine particles~~ further includes a hydrophilic binder ~~as a primary component~~. --

-- 4. (Currently Amended)

The ink-jet recording sheet of Claim 3 1, wherein ~~a mean primary diameter of~~ the water-insoluble organic ~~fine~~ particles ~~is~~ have a mean primary diameter of not more than 0.1 μm . --

-- 5. (Cancelled)

-- 6. (Original)

The ink-jet recording sheet of Claim 1, wherein the water-soluble alcohol-type organic solvent is diethylene glycol monobutyl ether. --

-- 7. (Currently Amended)


The ink-jet recording sheet of Claim 6, wherein the ~~first porous layer comprises~~ water-insoluble organic ~~fine~~ particles, ~~which is~~ are capable of being dissolved in or swelled by the diethylene glycol monobutyl ether, ~~as a primary component~~, and ~~a mean primary diameter of~~ the water-insoluble organic ~~fine~~ particles ~~is~~ have a mean primary diameter of not more than 0.1 μm . --

-- 8. (Cancelled)

-- 9-13. (Cancelled)

--14-19. (Withdrawn)

--20. (New Claim)

The ink-jet recording sheet of Claim 1, wherein the second porous layer has a thickness not less than 80% of the thickness of the ink absorbing layer. --

--21. (New Claim)

The ink-jet recording sheet of Claim 1, wherein the second porous layer further includes a binder. --
